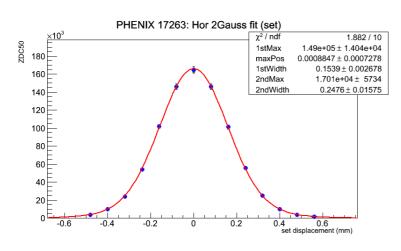
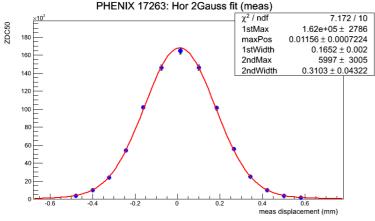
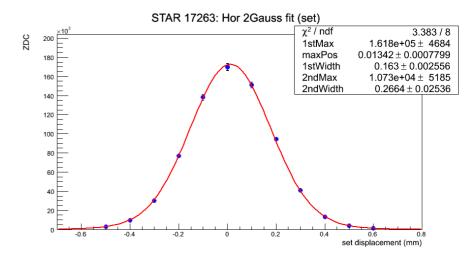
## STAR and PHENIX Luminosity corrections

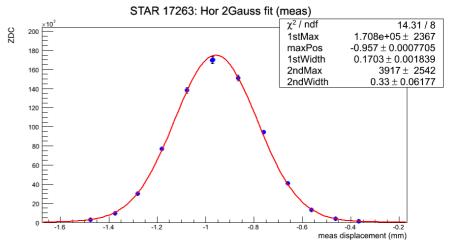
```
Signals: ZDC coincidence w/o dead time
Corrections: "Standard" (for these plots)
Cross sections (from vernier scan 17263):
   2.3 mbarn (PHENIX)
   2.5 mbarn (STAR)
Luminosity (@17263 vs):
   7.19 10^31 cm^-1 s^-1 (PHENIX)
   6.87 10^31 cm^-1 s^-1 (STAR)
   Ratio: 0.955 (102/107 = 0.953)
```

#### Data from vernier scan 17263

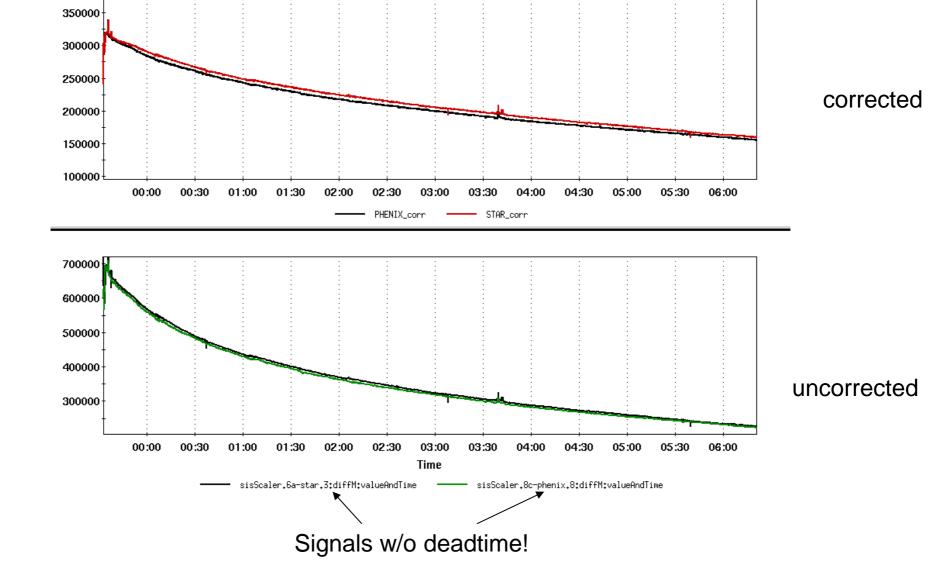




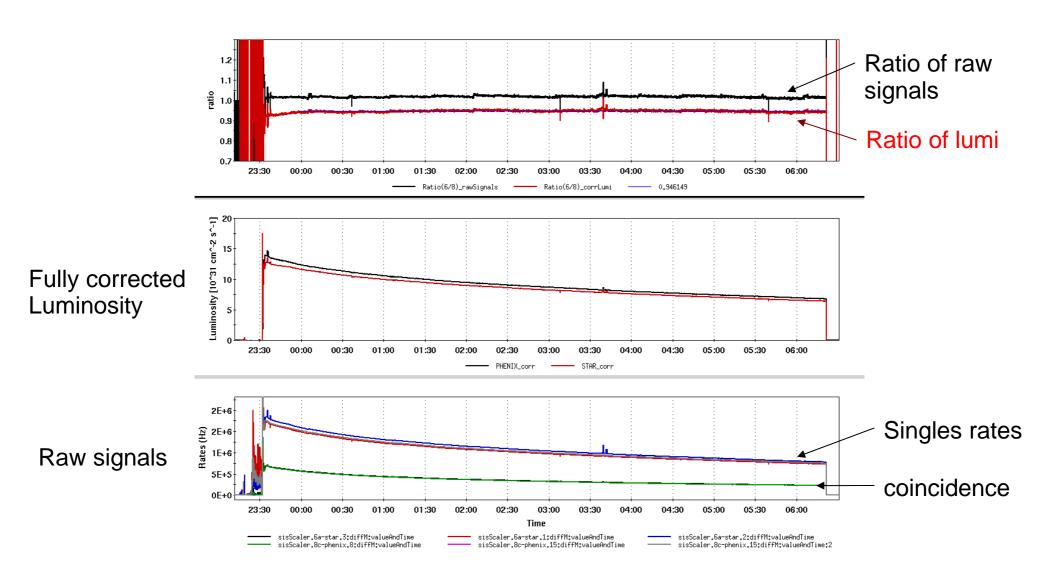




# Using "Standard" correction on ZDC coincidence Signals

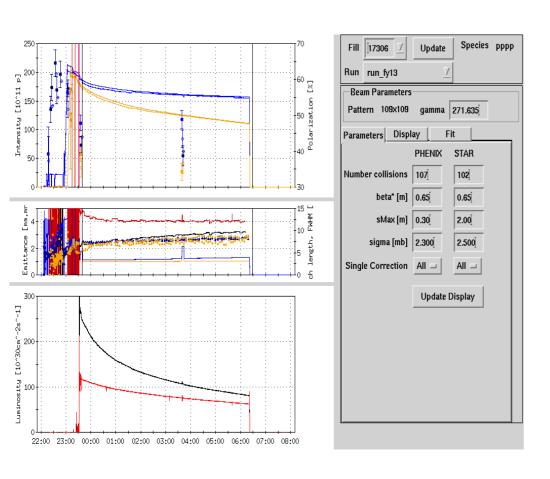


### Instantaneous Luminosity #17306



Problem: only one singles rate available from PHENIX (w/o dead time)

### Online Monitoring (StoreAnalysis)



 Bottom plot should show Lumi from ZDC coincidence, "Standard"-corrected

 Values for STAR are fully consistent with the values shown in the previous plot, PHENIX looks uncorrected -> problem in the configuration/code, needs to be fixed (work in progress)

Confirmation with LumiCalc (offline book-keeping) also in progress